



HIGH EFFICIENCY 14 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland® compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and Low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- SermaGard® coated cabinet screws
- Coated inlet grille with 2" spacing standard, alternate models available with 3/8" grille spacing for extra protection
- 5 year limited compressor, coil, and parts warranties

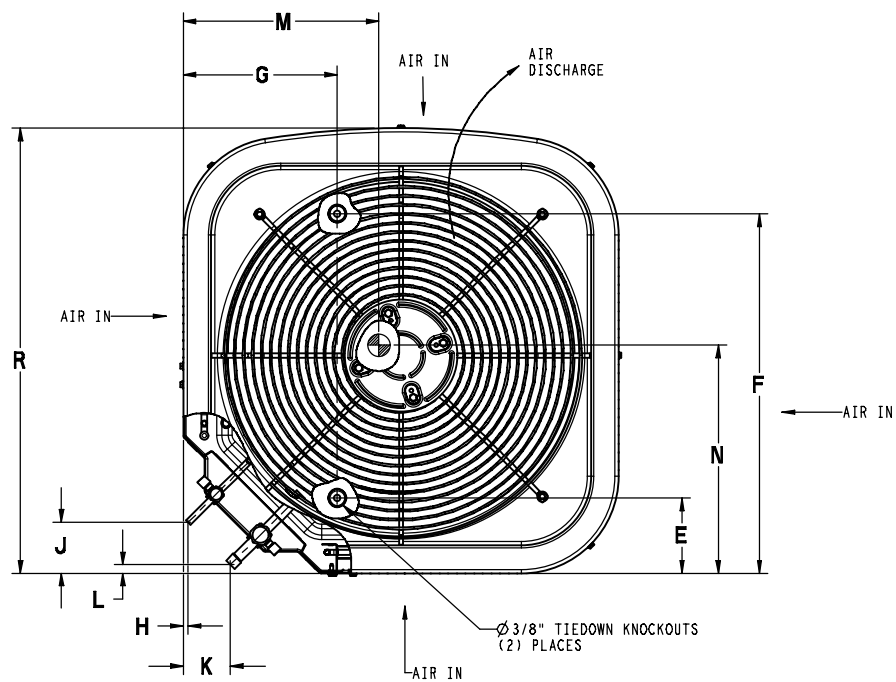
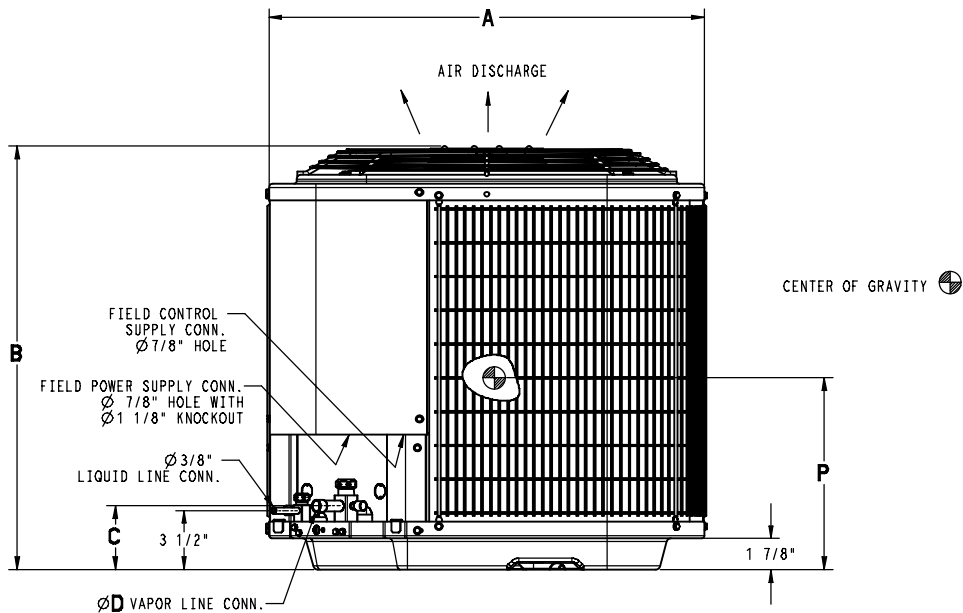


Rated in accordance with ARI Standard 210/240.
Certification applies only when used with proper components as listed with ARI.



Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth (in)	Ship / Operating Weight (lbs)
N4H418AKB	1½	18,000	11.9	20	28 ¹⁵ / ₁₆ x 31 ³ / ₁₆ x 32 ⁵ / ₁₆	173 / 146
18GKB	same model with 3/8" spacing inlet grille					
N4H424AKB	2	24,000	16.5	25	39 ¹ / ₈ x 35 x 36 ⁹ / ₁₆	228 / 186
24GKB	same model with 3/8" spacing inlet grille					
N4H430AKB	2½	30,000	18.9	30	32 ⁵ / ₁₆ x 35 x 36 ⁹ / ₁₆	245 / 209
30GKB	same model with 3/8" spacing inlet grille					
N4H436AKB	3	36,000	22.1	35	35 ³ / ₄ x 35 x 36 ⁹ / ₁₆	257 / 220
36GKB	same model with 3/8" spacing inlet grille					
N4H442AKB	3½	42,000	29.2	45	39 ¹ / ₈ x 35 x 36 ⁹ / ₁₆	285 / 249
42GKB	same model with 3/8" spacing inlet grille					
N4H448AKB	4	48,000	29.8	50	39 ¹ / ₈ x 35 x 36 ⁹ / ₁₆	299 / 261
48GKB	same model with 3/8" spacing inlet grille					
N4H460AKB	5	60,000	34.5	50	45 ¹⁵ / ₁₆ x 35 x 36 ⁹ / ₁₆	350 / 310
60GKB	same model with 3/8" spacing inlet grille					

Specifications subject to change without notice.



All Dimensions Inches

Model (* = A or G)	All Dimensions Inches															Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x R(d)
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R		
N4H418*KB	31 ¹³ / ₁₆	28 ¹⁵ / ₁₆	3 ³ / ₄	5 ⁵ / ₈	6 ⁹ / ₁₆	21 ¹ / ₄	9 ¹ / ₈	1 ¹ / ₈	3 ¹³ / ₁₆	2 ¹³ / ₁₆	1/2	14	14 ³ / ₄	14	32 ⁵ / ₁₆	31 ¹ / ₂ x 32 ¹ / ₂	32 ⁵ / ₈ x 32 ³ / ₈ x 33 ⁷ / ₁₆
N4H424*KB	35	39 ¹ / ₈	3 ³ / ₄	5 ⁵ / ₈	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	1 ¹ / ₈	3 ¹³ / ₁₆	2 ¹³ / ₁₆	1/2	15 ³ / ₄	15 ¹ / ₂	16 ¹ / ₄	36 ⁹ / ₁₆	35 x 36 ¹ / ₂	42 ⁷ / ₈ x 32 ³ / ₈ x 33 ⁷ / ₁₆
N4H430*KB	35	32 ⁵ / ₁₆	3 ³ / ₄	3 ³ / ₄	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	1 ¹ / ₈	3 ¹³ / ₁₆	2 ¹³ / ₁₆	1/2	16	15 ¹ / ₄	14 ³ / ₄	36 ⁹ / ₁₆	35 x 36 ¹ / ₂	36 ¹ / ₁₆ x 32 ³ / ₈ x 33 ⁷ / ₁₆
N4H436*KB	35	35 ³ / ₄	3 ³ / ₄	3 ³ / ₄	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	1 ¹ / ₈	3 ¹³ / ₁₆	2 ¹³ / ₁₆	1/2	16	14 ¹ / ₂	15 ¹ / ₂	36 ⁹ / ₁₆	35 x 36 ¹ / ₂	39 ⁷ / ₁₆ x 32 ³ / ₈ x 33 ⁷ / ₁₆
N4H442*KB	35	39 ¹ / ₈	3 ⁷ / ₈	7 ⁷ / ₈	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	1 ¹ / ₈	3 ¹³ / ₁₆	2 ¹⁵ / ₁₆	5 ⁵ / ₈	16 ¹ / ₄	15 ¹ / ₂	18 ¹ / ₂	36 ⁹ / ₁₆	35 x 36 ¹ / ₂	42 ⁷ / ₈ x 36 ¹ / ₈ x 37 ³ / ₄
N4H448*KB	35	39 ¹ / ₈	3 ⁷ / ₈	7 ⁷ / ₈	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	1 ¹ / ₈	3 ¹³ / ₁₆	2 ¹⁵ / ₁₆	5 ⁵ / ₈	16 ¹ / ₂	17 ¹ / ₂	17 ¹ / ₂	36 ⁹ / ₁₆	35 x 36 ¹ / ₂	42 ⁷ / ₈ x 36 ¹ / ₈ x 37 ³ / ₄
N4H460*KB	35	45 ¹⁵ / ₁₆	3 ⁷ / ₈	7 ⁷ / ₈	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	1 ¹ / ₈	3 ¹³ / ₁₆	2 ¹⁵ / ₁₆	5 ⁵ / ₈	16 ¹ / ₂	19	22	36 ⁹ / ₁₆	35 x 36 ¹ / ₂	49 ⁹ / ₈ x 36 ¹ / ₈ x 37 ³ / ₄

PHYSICAL DATA							
Model Size	18	24	30	36	42	48	60
Nominal Cooling Capacity (BTU/hr)	18,000	24,000	30,000	36,000	42,000	48,000	60,000
Nominal SEER	14.0	14.0	14.0	14.0	14.0	14.0	14.0
Sound Rating (dBA)	76	72	75	74	76	76	76
PSC Fan Motor HP	1/10	1/12	1/8	1/5	1/5	1/5	1/5
Fan RPM (single speed)	800	800	800	800	800	800	800
Fan CFM	2614	3223	3334	3810	3810	4046	4046
Coil Face Area (ft ²)	15.09	25.15	20.12	22.63	25.15	25.15	30.18
Coil Rows – fins per inch	1 – 20	1 – 20	2 – 20	2 – 20	2 – 20	2 – 20	2 – 20
Low Pressure Switch Open Pressure Close Pressure	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG	23 ± 5 PSIG 55 ± 5 PSIG
High Pressure Switch Open Pressure Close Pressure	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG	670 ± 10 PSIG 470 ± 25 PSIG
Liquid Line Connection Size (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line Connection Size (in.)	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Recommended Line Set Liquid Tube Diameter (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Recommended Line Set Vapor Tube Diameter (in.)	5/8 *	5/8 *	3/4 *	3/4 *	7/8 *	7/8 *	1 1/8 *
* Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to “Long Line” installations. When the total equivalent line length exceeds 80 feet or there is more than 20 feet vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/installing line sets.							
Factory Charge R-410A (lbs.)	6.40	7.70	11.50	12.40	12.40	13.80	16.20
Required Subcooling (°F)	10	6	10	9	9	9	11
Weight, shipping (lbs.)	201	263	283	291	316	341	382
Weight, operating (lbs.)	174	219	247	254	280	302	342

ELECTRICAL DATA (208/230-1-60, voltage range 197V – 253V)							
Model Size	18	24	30	36	42	48	60
Minimum Circuit Ampacity – MCA (amps)	11.9	16.5	18.9	22.1	29.2	29.8	34.5
Maximum OverCurrent Protective device – MOCP (amps)	20	25	30	35	45	50	50
Compressor RLA (Rated Load Amps) LRA (Locked Rotor Amps)	9.0 48	12.8 58	14.4 73	16.7 79	22.4 109	22.9 117	26.7 134
Fan Motor FLA (Full Load Amps)	0.75	0.5	0.9	1.2	1.2	1.2	1.2

R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS

Model Size	Liquid Line (in.)	Acceptable Vapor Line Sizes (in.)	Cooling Capacity Loss (%) at Total Equivalent Line Length (ft.) Refer to Long Line Application Guideline to calculate equivalent length										
			Standard Application			Long Line Application (Requires Accessories)							
			25'	50'	80'	81'	100'	125'	150'	175'	200'	225'	250'
18	3/8	1/2	1	2	3	3	4	6	7	8	9	10	12
		5/8	0	0	1	1	1	1	2	2	3	3	3
24		5/8	0	1	1	1	2	3	3	4	4	5	6
		3/4	0	0	0	0	0	1	1	1	1	1	2
30		5/8	1	2	3	3	3	4	5	6	7	8	9
		3/4	0	0	1	1	1	1	2	2	2	3	3
		7/8	0	0	0	0	0	1	1	1	1	1	1
36		5/8	1	2	4	4	5	6	7	9	10	11	13
		3/4	0	0	1	1	1	2	2	3	3	4	4
		7/8	0	0	0	0	0	1	1	1	1	2	2
42		3/4	0	1	2	2	2	3	4	4	5	6	6
		7/8	0	0	1	1	1	1	2	2	2	3	3
48	3/4	0	1	2	2	3	4	5	5	6	7	8	
	7/8	0	0	1	1	1	2	2	2	3	3	4	
60	3/4	1	2	4	4	5	6	7	9	10	11	12	
	7/8	0	1	2	2	2	3	4	4	5	5	6	
	1 1/8	0	0	0	0	1	1	1	1	1	1	2	

* Applications are considered "Long Line" if the total equivalent tubing length exceeds 80 feet or there is more than 20 foot vertical separation between indoor and outdoor units). These applications require additional accessories and system modifications for reliable system operation.

Applications in shaded area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit.

ACCESSORY USAGE GUIDELINES

Accessory	REQUIRED FOR APPLICATIONS IN SNOW-BELT REGION	REQUIRED FOR LOW-AMBIENT APPLICATIONS (Below 55° F)	REQUIRED FOR LONG-LINE APPLICATIONS* (Over 80 Ft.)
Crankcase Heater	Standard (if required)	Yes	Yes
Evaporator Freeze Thermostat	No	Yes	No
Accumulator	Standard (factory installed)	Standard (factory installed)	Standard (factory installed)
Hard Start Kit (Capacitor & Relay)	No	Yes	Yes
Low Ambient Kit (Pressure Switch)	No	Yes	No
Support Feet, 4" tall	Yes	Recommended	No
Liquid Line Solenoid Valve	No	No	See Long-Line Application Guideline

* For Line Set lengths between 80 and 200 ft horizontal, or more than 20 ft indoor-outdoor vertical separation, refer to the Long Line Application Guideline document.

ACCESSORIES		
Part Number	Description	Used On Model Size
NASA003CH	Crankcase Heater for Scroll Compressor (208/230 V Star Body)	18, 24 (factory installed on 30, 36)
NASA001CH	Crankcase Heater for Scroll Compressor (208/230 V)	Factory Installed on 42, 48, 60
NASA001SC	Start Component – PTC Device	ALL
NASA001FS	Evaporator Freeze Thermostat	ALL
NASA001LS	Liquid Line Solenoid Valve, HP, R-22 or R-410A	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA001AC	Anti-Cycle Timer (5 minute delay)	ALL
NASA005SC	Hard Start Kit (Capacitor & Relay)	ALL
NASA401LA	Low Ambient Pressure Switch	ALL
NASA001SF	Support Feet, 4" tall	ALL
NASA00101SJ	Sound Jacket, Compressor	ALL
AXWR01DFB	Fossil Fuel Kit	ALL
NASA00106SS	Snow Stand Kit	ALL
EBAC05TXVX	TXV Kit, R-410A *	18, 24, 30
EBAC06TXVX	TXV Kit, R-410A *	36, 42
EBAC07TXVX	TXV Kit, R-410A *	48, 60

* ONLY converts Fan Coils equipped with factory installed R-22 TXV.

COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS
Indoor Models

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 ° F)			SEER				Heat (47 ° F)		Heat (17 ° F)		HSPF	
				BTU/hr	S / T	EER	factory	with field TDR	with field R-410A TXV	with field R-410A TXV+TDR	BTU/hr	COP	BTU/hr	COP		
N4H418AKB N4H418GKB	‡FEM4X18****		TDR&TXV	17,400	0.76	11.5	14.00					17,700	3.56	10,300	2.32	7.7
	ED*4X18B**	*8MPV050	TDR&TXV	17,400	0.76	11.50	14.00					17,700	3.52	10,400	2.30	7.7
	ED*4X18B**	MV08B15****	TDR&TXV	17,200	0.76	11.70	14.50					17,400	3.48	10,100	2.32	7.7
	ED*4X24B**		TXV	17,300	0.76	10.70		13.20				18,000	3.44	10,700	2.22	7.7
	ED*4X24B**	*8MPV050	TDR&TXV	17,800	0.76	11.70	14.50					18,000	3.70	10,500	2.38	8.0
	ED*4X24B**	MV08B15****	TDR&TXV	17,600	0.76	12.00	15.00					17,700	3.68	10,200	2.38	8.0
	ED*4X24F**		TXV	17,300	0.76	10.70		13.20				18,000	3.44	10,700	2.22	7.7
	ED*4X24F**	MV12F19****	TDR&TXV	17,700	0.76	12.00	15.00					17,700	3.70	10,200	2.40	8.0
	EMA4X24D**		TXV	17,300	0.76	10.70		13.20				18,000	3.50	10,800	2.24	7.7
	EHD4X24A**		TXV	17,500	0.76	10.70		13.20				18,000	3.50	10,800	2.24	7.7
	EHD4X24A**	*8MPV050	TDR&TXV	17,900	0.76	11.70	14.50					18,000	3.74	10,500	2.38	8.0
	EHD4X24A**	*9MPV050	TDR&TXV	17,900	0.76	11.70	14.50					18,000	3.76	10,500	2.38	8.2
	EHD4X24A**	*9MPV075	TDR&TXV	17,900	0.76	11.70	14.50					18,000	3.74	10,500	2.38	8.0
	EHD4X24A**	MV08B15****	TDR&TXV	17,600	0.76	12.00	15.00					17,600	3.64	10,200	2.36	8.0
	EHD4X24A**	MV12F19****	TDR&TXV	17,600	0.76	12.00	15.00					17,500	3.60	10,200	2.34	7.7
	FS(M,U)4X18****		TDR&TXV	17,000	0.76	10.50	13.00					18,000	3.34	10,700	2.18	7.7
	FS(M,U)4X24****		TDR&TXV	17,100	0.76	10.50	13.00					18,000	3.34	10,700	2.18	7.7
	FEM4X24****		TDR&TXV	17,600	0.76	11.70	14.50					17,700	3.60	10,300	2.36	8.0
FVM4X24****		TDR&TXV	17,600	0.76	12.00	15.00					17,500	3.62	10,100	2.36	8.0	
N4H424AKB N4H424GKB	‡FS(M,U)4X30****		TDR&TXV	23,200	0.76	11.5	14.00					24,000	3.66	15,100	2.54	8.4
	ED*4X24B**		TXV	23,000	0.76	11.20		13.50				24,000	3.64	15,200	2.52	8.2
	ED*4X24B**	*8MPV050	TDR&TXV	23,400	0.76	12.00	14.50					24,000	3.78	14,900	2.62	8.5
	ED*4X24B**	MV08B15****	TDR&TXV	23,800	0.76	12.50	15.00					24,000	3.94	14,900	2.72	9.0
	ED*4X24F**		TXV	23,000	0.76	11.20		13.50				24,000	3.64	15,200	2.52	8.2
	ED*4X24F**	*8MPV075	TDR&TXV	23,400	0.76	12.50	15.00					24,000	3.86	14,800	2.68	8.7
	ED*4X24F**	*9MPV050	TDR&TXV	23,200	0.76	12.00	14.50					24,000	3.72	14,700	2.62	8.4
	ED*4X24F**	*9MPV075	TDR&TXV	23,200	0.76	12.00	14.50					24,000	3.76	14,700	2.62	8.5
	ED*4X24F**	MV12F19****	TDR&TXV	23,600	0.76	12.50	15.00					24,000	3.90	14,600	2.72	9.0
	ED*4X30B**		TXV	23,400	0.76	11.20		13.50				24,000	3.60	15,300	2.54	8.3
	ED*4X30B**	*8MPV050	TDR&TXV	23,600	0.76	12.00	14.50					24,000	3.76	14,900	2.64	8.5
	ED*4X30B**	MV08B15****	TDR&TXV	24,000	0.76	12.50	15.00					23,800	3.88	14,800	2.74	9.0
	ED*4X30F**		TXV	23,400	0.76	11.20		13.50				24,000	3.60	15,300	2.54	8.3
	ED*4X30F**	*8MPV075	TDR&TXV	24,000	0.76	12.50	15.00					23,800	3.86	14,800	2.72	8.9
	ED*4X30F**	*9MPV050	TDR&TXV	23,600	0.76	12.50	15.00					23,800	3.76	14,700	2.66	8.5
	ED*4X30F**	*9MPV075	TDR&TXV	23,600	0.76	12.50	15.00					24,000	3.78	14,800	2.66	8.6
	ED*4X30F**	MV12F19****	TDR&TXV	24,000	0.76	13.00	15.00					23,600	3.92	14,800	2.78	9.0
	EMA4X24D**		TXV	23,000	0.76	11.20		13.50				24,000	3.72	15,300	2.54	8.4
	EHD4X24A**		TXV	23,400	0.76	11.20		13.50				24,000	3.72	15,300	2.56	8.4
	EHD4X24A**	*8MPV050	TDR&TXV	23,600	0.76	12.00	14.50					24,000	3.82	15,000	2.64	8.6
	EHD4X24A**	*8MPV075	TDR&TXV	23,600	0.76	12.50	15.00					24,000	3.86	14,800	2.66	8.8
	EHD4X24A**	*8MPV100	TDR&TXV	23,800	0.76	12.50	15.00					24,000	3.94	14,800	2.70	9.0
	EHD4X24A**	*8MPV125	TDR&TXV	23,800	0.76	12.50	15.00					24,000	3.94	14,800	2.72	9.0
	EHD4X24A**	*9MPV050	TDR&TXV	23,200	0.76	12.00	14.50					24,000	3.74	14,700	2.60	8.6

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COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)
Indoor Models

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 °F)			SEER				Heat (47 °F)		Heat (17 °F)		HSPF		
				BTU/hr	S / T	EER	factory	with field TDR	with field R-410A TXV	with field R-410A TXV+TDR	BTU/hr	COP	BTU/hr	COP			
N4H424AKB N4H424GKB (continued)	EHD4X24A**	*9MPV075	TDR&TXV	23,200	0.76	12.00	14.50					24,000	3.74	14,700	2.60	8.6	
	EHD4X24A**	*9MPV100	TDR&TXV	23,600	0.76	12.00	15.00					24,000	3.86	14,800	2.66	8.8	
	EHD4X24A**	*9MPV125	TDR&TXV	23,600	0.76	12.50	15.00					24,000	3.88	14,800	2.68	8.9	
	EHD4X24A**	MV08B15****	TDR&TXV	23,800	0.76	12.50	15.00					24,000	3.94	14,800	2.72	9.0	
	EHD4X24A**	MV12F19****	TDR&TXV	23,800	0.76	12.50	15.00					24,000	3.98	14,800	2.74	9.0	
	EHD4X24A**	MV16J22****	TDR&TXV	23,800	0.76	12.50	15.00					24,000	4.00	14,700	2.74	9.0	
	EHD4X24A**	MV20N26****	TDR&TXV	24,000	0.76	13.00	15.00					24,000	4.04	14,800	2.78	9.0	
	EHD4X30A**		TXV	23,400	0.76	11.20			13.50				24,000	3.62	15,300	2.56	8.4
	EHD4X30A**	*8MPV050	TDR&TXV	23,800	0.76	12.00	14.50					23,800	3.76	15,000	2.66	8.6	
	EHD4X30A**	*8MPV075	TDR&TXV	23,800	0.76	12.50	15.00					23,800	3.82	14,800	2.70	8.7	
	EHD4X30A**	*8MPV100	TDR&TXV	24,000	0.76	12.50	15.00					23,600	3.88	14,900	2.74	9.0	
	EHD4X30A**	*8MPV125	TDR&TXV	24,000	0.76	12.50	15.00					23,600	3.90	14,800	2.76	9.0	
	EHD4X30A**	*9MPV050	TDR&TXV	23,600	0.76	12.50	15.00					23,800	3.72	14,700	2.64	8.7	
	EHD4X30A**	*9MPV075	TDR&TXV	23,600	0.76	12.50	15.00					23,800	3.74	14,800	2.64	8.5	
	EHD4X30A**	*9MPV100	TDR&TXV	24,000	0.76	12.50	15.00					23,600	3.82	14,900	2.70	8.7	
	EHD4X30A**	*9MPV125	TDR&TXV	24,000	0.76	12.50	15.00					23,600	3.86	14,800	2.72	9.0	
	EHD4X30A**	MV08B15****	TDR&TXV	24,000	0.76	12.50	15.00					23,600	3.88	14,800	2.74	9.0	
	EHD4X30A**	MV12F19****	TDR&TXV	24,000	0.76	13.00	15.00					23,600	3.90	14,800	2.76	9.0	
	EHD4X30A**	MV16J22****	TDR&TXV	24,000	0.76	13.00	15.00					23,400	3.94	14,800	2.78	9.0	
	EHD4X30A**	MV20N26****	TDR&TXV	24,000	0.76	13.00	15.00					23,600	3.92	14,700	2.76	9.0	
N4H430AKB N4H430GKB	FS(M,U)4X24****		TDR&TXV	22,800	0.76	11.20	13.50					24,000	3.56	15,100	2.50	8.2	
	FEM4X24****		TDR&TXV	23,200	0.76	12.00	14.50					24,000	3.74	14,700	2.62	8.5	
	FEM4X30****		TDR&TXV	23,600	0.76	12.50	15.00					24,000	3.88	14,700	2.68	8.6	
	FVM4X24****		TDR&TXV	23,400	0.76	12.50	15.00					24,000	3.84	14,500	2.68	8.8	
	FVM4X36****		TDR&TXV	23,600	0.76	13.00	15.00					23,600	3.82	14,400	2.70	8.8	
	‡FSU4X36****		TDR&TXV	28,800	0.74	11.5	14.00					30,000	3.58	18,200	2.42	8.2	
	ED*4X30B**		TXV	28,800	0.74	11.50			14.00			30,000	3.56	18,100	2.44	8.2	
	ED*4X30B**	*8MPV050	TDR&TXV	28,800	0.74	12.00	14.50					29,800	3.58	17,900	2.46	8.2	
	ED*4X30B**	MV08B15****	TDR&TXV	29,200	0.74	12.50	15.00					29,600	3.72	17,600	2.54	8.5	
	ED*4X30F**		TXV	28,800	0.74	11.50			14.00			30,000	3.56	18,100	2.44	8.2	
	ED*4X30F**	*8MPV075	TDR&TXV	29,000	0.74	12.50	15.00					29,600	3.68	17,600	2.54	8.4	
	ED*4X30F**	*9MPV050	TDR&TXV	28,800	0.74	12.50	15.00					29,400	3.58	17,600	2.48	8.2	
ED*4X30F**	*9MPV075	TDR&TXV	28,800	0.74	12.50	15.00					29,400	3.60	17,600	2.48	8.2		
ED*4X30F**	MV12F19****	TDR&TXV	29,600	0.74	13.00	15.00					29,800	3.82	17,600	2.60	8.7		
ED*4X36B**		TXV	29,000	0.74	11.50			14.00			30,000	3.60	18,200	2.44	8.2		
ED*4X36B**	*8MPV050	TDR&TXV	29,000	0.74	12.00	14.50					30,000	3.62	17,900	2.46	8.3		
ED*4X36B**	MV08B15****	TDR&TXV	29,400	0.74	12.50	15.00					29,800	3.76	17,700	2.56	8.6		
ED*4X36F**		TXV	29,000	0.74	11.50			14.00			30,000	3.60	18,200	2.44	8.3		
ED*4X36F**	*8MPV075	TDR&TXV	29,200	0.74	12.50	15.00					29,600	3.74	17,600	2.54	8.5		
ED*4X36F**	*9MPV050	TDR&TXV	28,800	0.74	12.50	15.00					29,600	3.62	17,600	2.48	8.3		
ED*4X36F**	*9MPV075	TDR&TXV	29,000	0.74	12.50	15.00					29,600	3.64	17,600	2.50	8.3		
ED*4X36F**	MV12F19****	TDR&TXV	29,800	0.74	13.00	15.00					29,800	3.88	17,700	2.62	8.8		
ED*4X36J**		TXV	29,000	0.74	11.50			14.00			30,000	3.60	18,200	2.44	8.3		
ED*4X36J**	*8MPV100	TDR&TXV	29,400	0.74	13.00	15.00					29,600	3.82	17,500	2.60	8.7		
ED*4X36J**	*8MPV125	TDR&TXV	29,400	0.74	13.00	15.00					29,600	3.82	17,500	2.60	8.7		
ED*4X36J**	*9MPV100	TDR&TXV	29,400	0.74	13.00	15.00					29,600	3.78	17,600	2.58	8.6		
ED*4X36J**	MV16J22****	TDR&TXV	29,800	0.74	13.00	15.00					29,600	3.92	17,500	2.66	8.8		

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COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)
Indoor Models

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 °F)			SEER				Heat (47 °F)		Heat (17 °F)		HSPF	
				BTU/hr	S / T	EER	factory	with field TDR	with field R-410A TXV	with field R-410A TXV+TDR	BTU/hr	COP	BTU/hr	COP		
N4H430AKB N4H430GKB (continued)	EMA4X36D**		TXV	28,800	0.74	11.50		14.00				30,000	3.58	18,200	2.44	8.2
	EHD4X30A**		TXV	29,000	0.74	11.50		14.00				30,000	3.60	18,200	2.44	8.3
	EHD4X30A**	*8MPV050	TDR&TXV	29,000	0.74	12.00	14.50					30,000	3.62	17,900	2.46	8.3
	EHD4X30A**	*8MPV075	TDR&TXV	29,000	0.74	12.50	15.00					29,600	3.68	17,600	2.52	8.5
	EHD4X30A**	*8MPV100	TDR&TXV	29,200	0.74	13.00	15.00					29,400	3.70	17,400	2.54	8.4
	EHD4X30A**	*8MPV125	TDR&TXV	29,200	0.74	13.00	15.00					29,200	3.70	17,400	2.54	8.4
	EHD4X30A**	*9MPV050	TDR&TXV	28,800	0.74	12.50	15.00					29,400	3.58	17,600	2.46	8.2
	EHD4X30A**	*9MPV075	TDR&TXV	28,800	0.74	12.50	15.00					29,400	3.60	17,600	2.48	8.4
	EHD4X30A**	*9MPV100	TDR&TXV	29,000	0.74	12.50	15.00					29,400	3.66	17,500	2.52	8.4
	EHD4X30A**	*9MPV125	TDR&TXV	29,000	0.74	13.00	15.00					29,200	3.68	17,400	2.54	8.4
	EHD4X30A**	MV08B15****	TDR&TXV	29,400	0.74	13.00	15.00					29,800	3.76	17,700	2.56	8.6
	EHD4X30A**	MV12F19****	TDR&TXV	29,600	0.74	13.00	15.00					29,800	3.82	17,600	2.60	8.7
	EHD4X30A**	MV16J22****	TDR&TXV	29,600	0.74	13.00	15.00					29,600	3.82	17,500	2.60	8.7
	EHD4X30A**	MV20N26****	TDR&TXV	29,600	0.74	13.00	15.00					29,400	3.84	17,400	2.60	8.7
	EHD4X36A**		TXV	29,400	0.74	12.00		14.00				30,000	3.72	18,300	2.48	8.5
	EHD4X36A**	*8MPV050	TDR&TXV	29,600	0.74	12.50	15.00					30,000	3.76	18,100	2.52	8.5
	EHD4X36A**	*8MPV075	TDR&TXV	29,800	0.74	13.00	15.00					29,800	3.84	17,700	2.58	8.7
	EHD4X36A**	*8MPV100	TDR&TXV	29,800	0.74	13.00	15.00					29,800	3.90	17,500	2.62	8.8
	EHD4X36A**	*8MPV125	TDR&TXV	29,800	0.74	13.00	15.00					29,800	3.90	17,500	2.62	8.8
	EHD4X36A**	*9MPV050	TDR&TXV	29,400	0.74	12.50	15.00					29,800	3.74	17,700	2.54	8.5
	EHD4X36A**	*9MPV075	TDR&TXV	29,400	0.74	12.50	15.00					29,800	3.76	17,700	2.54	8.5
	EHD4X36A**	*9MPV100	TDR&TXV	29,800	0.74	13.00	15.00					29,800	3.86	17,700	2.60	8.7
	EHD4X36A**	*9MPV125	TDR&TXV	29,800	0.74	13.00	15.00					29,800	3.88	17,500	2.62	8.7
	EHD4X36A**	MV08B15****	TDR&TXV	30,000	0.74	13.00	15.00					30,000	3.94	17,800	2.64	8.9
	EHD4X36A**	MV12F19****	TDR&TXV	30,000	0.74	13.00	15.00					30,000	4.00	17,800	2.66	9.0
	EHD4X36A**	MV16J22****	TDR&TXV	30,000	0.74	13.00	15.00					30,000	4.02	17,600	2.68	9.0
	EHD4X36A**	MV20N26****	TDR&TXV	30,000	0.74	13.00	15.00					29,800	4.04	17,600	2.70	9.0
	FS(M,U)4X30****		TDR&TXV	28,600	0.74	11.50	14.00					30,000	3.58	18,000	2.42	8.2
	FEM4X30****		TDR&TXV	29,000	0.74	12.50	15.00					29,600	3.72	17,600	2.54	8.4
	FSM4X36****		TDR&TXV	29,400	0.74	12.00	14.00					30,000	3.68	18,300	2.48	8.4
FEM4X36****		TDR&TXV	29,800	0.74	13.00	15.00					30,000	3.86	17,800	2.58	8.7	
FVM4X24****		TDR&TXV	29,000	0.74	13.00	15.00					29,200	3.72	17,300	2.54	8.5	
FVM4X36****		TDR&TXV	29,000	0.74	13.00	15.00					29,000	3.74	17,200	2.56	8.5	
FVM4X48****		TDR&TXV	30,000	0.74	13.00	15.00					29,400	3.92	17,300	2.66	8.9	
N4H436AKB N4H436GKB	‡FS(M,U)4X42****		TDR&TXV	35,000	0.77	11.5	14.00					36,000	3.64	22,200	2.50	8.2
	ED*4X36B**		TXV	34,000	0.77	11.20		13.50				36,000	3.52	21,600	2.46	7.9
	ED*4X36B**	*8MPV050	TDR&TXV	33,600	0.77	11.20	13.50					35,600	3.46	21,400	2.44	7.8
	ED*4X36B**	MV08B15****	TDR&TXV	34,600	0.77	12.00	14.00					36,000	3.66	21,600	2.54	8.2
	ED*4X36F**		TXV	34,400	0.77	11.20		13.50				36,000	3.58	22,000	2.48	8.0
	ED*4X36F**	*8MPV075	TDR&TXV	34,400	0.77	12.00	14.50					35,600	3.62	21,200	2.54	8.2
	ED*4X36F**	*9MPV050	TDR&TXV	34,000	0.77	11.20	13.50					35,600	3.52	21,400	2.46	7.9
	ED*4X36F**	*9MPV075	TDR&TXV	34,000	0.77	12.00	14.00					35,600	3.56	21,400	2.48	8.1
	ED*4X36F**	MV12F19****	TDR&TXV	34,800	0.77	12.50	15.00					35,600	3.72	21,200	2.58	8.3
	ED*4X36J**		TXV	34,400	0.77	11.20		13.50				36,000	3.58	22,000	2.48	8.0
	ED*4X36J**	*8MPV100	TDR&TXV	35,000	0.77	12.50	15.00					35,800	3.76	21,400	2.60	8.4
	ED*4X36J**	*8MPV125	TDR&TXV	35,000	0.77	12.50	15.00					35,600	3.76	21,200	2.60	8.4
	ED*4X36J**	*9MPV100	TDR&TXV	34,800	0.77	12.50	14.50					35,800	3.72	21,400	2.58	8.3
	ED*4X36J**	MV16J22****	TDR&TXV	35,400	0.77	13.00	15.00					35,800	3.86	21,200	2.66	8.6

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COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)
Indoor Models

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 °F)			SEER				Heat (47 °F)		Heat (17 °F)		HSPF	
				BTU/hr	S / T	EER	factory	with field TDR	with field R-410A TXV	with field R-410A TXV+TDR	BTU/hr	COP	BTU/hr	COP		
N4H436AKB N4H436GKB (continued)	ED*4X42J**		TXV	34,600	0.77	11.20		13.50				36,000	3.62	22,000	2.50	8.1
	ED*4X42J**	*8MPV100	TDR&TXV	35,200	0.77	12.50	15.00					36,000	3.82	21,400	2.62	8.5
	ED*4X42J**	*8MPV125	TDR&TXV	35,200	0.77	13.00	15.00					35,800	3.82	21,200	2.64	8.5
	ED*4X42J**	*9MPV100	TDR&TXV	35,000	0.77	12.50	14.50					36,000	3.76	21,400	2.60	8.4
	ED*4X42J**	MV16J22****	TDR&TXV	35,600	0.77	13.00	15.00					36,000	3.92	21,400	2.68	9.0
	ED*4X42L**		TXV	34,600	0.77	11.20		13.50				36,000	3.62	22,000	2.50	8.1
	ED*4X42L**	*9MPV125	TDR&TXV	35,200	0.77	12.50	15.00					35,800	3.80	21,400	2.62	8.5
	EMA4X36D**		TXV	34,200	0.77	11.20		13.50				36,000	3.56	22,000	2.46	8.0
	EHD4X36A**		TXV	35,200	0.77	11.20		13.50				36,000	3.70	22,200	2.52	8.3
	EHD4X36A**	*8MPV050	TDR&TXV	34,600	0.77	12.00	14.00					36,000	3.62	21,600	2.50	8.1
	EHD4X36A**	*8MPV075	TDR&TXV	35,200	0.77	12.50	14.50					36,000	3.76	21,400	2.60	8.4
	EHD4X36A**	*8MPV100	TDR&TXV	35,600	0.77	12.50	15.00					36,000	3.86	21,400	2.64	8.6
	EHD4X36A**	*8MPV125	TDR&TXV	35,600	0.77	13.00	15.00					36,000	3.86	21,400	2.64	8.6
	EHD4X36A**	*9MPV050	TDR&TXV	34,800	0.77	12.00	14.00					36,000	3.64	21,600	2.52	8.2
	EHD4X36A**	*9MPV075	TDR&TXV	34,800	0.77	12.00	14.50					36,000	3.68	21,600	2.54	8.3
	EHD4X36A**	*9MPV100	TDR&TXV	35,400	0.77	12.50	15.00					36,000	3.82	21,600	2.62	8.5
	EHD4X36A**	*9MPV125	TDR&TXV	35,400	0.77	12.50	15.00					36,000	3.84	21,400	2.62	8.5
	EHD4X36A**	MV08B15****	TDR&TXV	35,400	0.77	12.50	15.00					36,000	3.82	21,400	2.62	8.5
	EHD4X36A**	MV12F19****	TDR&TXV	35,600	0.77	13.00	15.00					36,000	3.86	21,400	2.64	8.6
	EHD4X36A**	MV16J22****	TDR&TXV	36,000	0.77	13.00	15.00					36,000	3.98	21,400	2.70	9.0
	EHD4X36A**	MV20N26****	TDR&TXV	36,000	0.77	13.00	15.00					36,000	4.00	21,400	2.70	9.0
	EHD4X42A**		TXV	35,400	0.77	12.00		14.00				36,000	3.76	22,200	2.54	8.4
	EHD4X42A**	*8MPV050	TDR&TXV	34,800	0.77	12.00	14.00					36,000	3.66	21,600	2.52	8.2
	EHD4X42A**	*8MPV075	TDR&TXV	35,400	0.77	12.50	15.00					36,000	3.82	21,600	2.62	8.5
	EHD4X42A**	*8MPV100	TDR&TXV	35,800	0.77	13.00	15.00					36,000	3.94	21,600	2.66	8.7
	EHD4X42A**	*8MPV125	TDR&TXV	35,800	0.77	13.00	15.00					36,000	3.94	21,400	2.68	8.7
	EHD4X42A**	*9MPV050	TDR&TXV	35,000	0.77	12.00	14.00					36,000	3.70	21,800	2.54	8.3
	EHD4X42A**	*9MPV075	TDR&TXV	35,200	0.77	12.50	14.50					36,000	3.74	21,600	2.56	8.3
	EHD4X42A**	*9MPV100	TDR&TXV	35,600	0.77	12.50	15.00					36,000	3.88	21,600	2.64	8.6
	EHD4X42A**	*9MPV125	TDR&TXV	35,800	0.77	13.00	15.00					36,000	3.90	21,400	2.66	8.6
	EHD4X42A**	MV08B15****	TDR&TXV	35,600	0.77	13.00	15.00					36,000	3.88	21,400	2.64	8.6
	EHD4X42A**	MV12F19****	TDR&TXV	35,800	0.77	13.00	15.00					36,000	3.94	21,400	2.68	8.9
EHD4X42A**	MV16J22****	TDR&TXV	36,000	0.77	13.00	15.00					36,000	4.06	21,400	2.74	9.0	
EHD4X42A**	MV20N26****	TDR&TXV	36,000	0.77	13.00	15.00					36,000	4.06	21,600	2.74	9.0	
FSU4X36****		TDR&TXV	34,200	0.77	11.20	13.50					36,000	3.54	22,000	2.46	8.0	
FSM4X36****		TDR&TXV	35,000	0.77	11.20	13.50					36,000	3.66	22,000	2.50	8.2	
FEM4X36****		TDR&TXV	35,600	0.77	12.50	15.00					36,000	3.84	21,600	2.62	8.6	
FEM4X42****		TDR&TXV	35,600	0.77	12.50	15.00					36,000	3.86	21,400	2.64	8.6	
FVM4X24****		TDR&TXV	34,200	0.77	12.50	14.50					35,400	3.64	21,000	2.54	8.1	
FVM4X36****		TDR&TXV	34,600	0.77	13.00	15.00					35,000	3.68	20,800	2.58	8.4	
FVM4X48****		TDR&TXV	35,800	0.77	13.00	15.00					35,600	3.90	21,000	2.68	8.9	
FVM4X60****		TDR&TXV	36,000	0.77	13.00	15.00					35,600	4.00	21,000	2.74	9.0	

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COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)
Indoor Models

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 °F)			SEER				Heat (47 °F)		Heat (17 °F)		HSPF	
				BTU/hr	S / T	EER	factory	with field TDR	with field R-410A TXV	with field R-410A TXV+TDR	BTU/hr	COP	BTU/hr	COP		
N4H442AKB N4H442GKB	‡FS(M,U)4X48****		TDR&TXV	42,000	0.76	12	14.00					42,000	3.66	27,000	2.56	8.5
	ED*4X42J**		TXV	41,500	0.76	11.20		13.50				42,000	3.54	26,600	2.52	8.1
	ED*4X42J**	*8MPV100	TDR&TXV	42,000	0.76	12.50	14.50					42,000	3.64	25,800	2.60	8.3
	ED*4X42J**	*8MPV125	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.64	25,800	2.60	8.3
	ED*4X42J**	*9MPV100	TDR&TXV	41,500	0.76	12.00	14.50					42,000	3.60	26,000	2.58	8.2
	ED*4X42J**	MV16J22****	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.76	26,000	2.66	8.5
	ED*4X42L**		TXV	41,500	0.76	11.20		13.50				42,000	3.54	26,600	2.52	8.1
	ED*4X42L**	*9MPV125	TDR&TXV	42,000	0.76	12.50	14.50					42,000	3.62	25,800	2.60	8.2
	ED*4X48F**		TXV	42,000	0.76	12.00		14.00				42,000	3.72	27,000	2.60	8.4
	ED*4X48F**	*8MPV075	TDR&TXV	42,000	0.76	12.50	14.50					42,000	3.70	26,400	2.62	8.3
	ED*4X48F**	*9MPV075	TDR&TXV	42,000	0.76	12.00	14.00					42,000	3.62	26,600	2.56	8.2
	ED*4X48J**		TXV	42,000	0.76	12.00		14.00				42,000	3.66	26,800	2.58	8.3
	ED*4X48J**	*8MPV100	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.76	26,000	2.66	8.5
	ED*4X48J**	*8MPV125	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.78	26,000	2.66	8.5
	ED*4X48J**	*9MPV100	TDR&TXV	42,000	0.76	12.50	14.50					42,000	3.72	26,200	2.62	8.5
	ED*4X48J**	MV16J22****	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.90	26,200	2.72	8.6
	ED*4X48L**		TXV	42,000	0.76	12.00		14.00				42,000	3.66	26,800	2.58	8.3
	ED*4X48L**	*9MPV125	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.74	26,000	2.64	8.5
	EMA4X48D**		TXV	42,000	0.76	11.50		14.00				42,000	3.62	26,800	2.56	8.2
	EHD4X42A**		TXV	42,000	0.76	12.00		14.00				42,000	3.68	26,800	2.58	8.3
	EHD4X42A**	*8MPV075	TDR&TXV	42,000	0.76	12.50	14.50					42,000	3.68	26,200	2.60	8.3
	EHD4X42A**	*8MPV100	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.76	26,000	2.64	8.5
	EHD4X42A**	*8MPV125	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.76	26,000	2.66	8.5
	EHD4X42A**	*9MPV075	TDR&TXV	42,000	0.76	12.00	14.00					42,000	3.58	26,400	2.56	8.1
	EHD4X42A**	*9MPV100	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.72	26,200	2.62	8.4
	EHD4X42A**	*9MPV125	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.72	26,000	2.64	8.4
	EHD4X42A**	MV16J22****	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.90	26,200	2.70	8.7
	EHD4X42A**	MV20N26****	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.80	25,800	2.68	8.6
	EHD4X48A**		TXV	42,000	0.76	12.00		14.00				42,000	3.70	27,000	2.58	8.4
	EHD4X48A**	*8MPV075	TDR&TXV	42,000	0.76	12.50	14.50					42,000	3.70	26,200	2.62	8.3
	EHD4X48A**	*8MPV100	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.78	26,000	2.66	8.6
	EHD4X48A**	*8MPV125	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.78	26,000	2.66	8.6
	EHD4X48A**	*9MPV075	TDR&TXV	42,000	0.76	12.00	14.00					42,000	3.62	26,400	2.56	8.2
EHD4X48A**	*9MPV100	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.74	26,200	2.64	8.5	
EHD4X48A**	*9MPV125	TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.74	26,000	2.64	8.5	
EHD4X48A**	MV16J22****	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.94	26,400	2.72	8.7	
EHD4X48A**	MV20N26****	TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.84	25,800	2.70	8.7	
FS(M,U)4X42****		TDR&TXV	42,000	0.76	11.20	13.50					42,000	3.56	26,800	2.52	8.1	
FEM4X42****		TDR&TXV	42,000	0.76	12.50	15.00					42,000	3.72	26,200	2.62	8.4	
FEM4X48****		TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.88	26,200	2.70	8.6	
FVM4X36****		TDR&TXV	41,500	0.76	12.50	14.50					41,500	3.56	25,400	2.58	8.1	
FVM4X48****		TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.78	25,600	2.68	8.7	
FVM4X60****		TDR&TXV	42,000	0.76	13.00	15.00					42,000	3.88	25,600	2.74	9.0	
N4H448AKB N4H448GKB	‡FS(M,U)4X60****		TDR&TXV	48,000	0.76	11.5	14.00					47,000	3.68	30,000	2.54	8.4
	ED*4X48F**		TXV	46,500	0.76	11.20		13.50				46,000	3.52	29,200	2.52	8.2
	ED*4X48J**		TXV	46,500	0.76	11.20		13.50				46,500	3.56	29,600	2.52	8.2
	ED*4X48J**	*8MPV100	TDR&TXV	46,500	0.76	12.00	14.00					45,500	3.58	29,000	2.56	8.2
	ED*4X48J**	*8MPV125	TDR&TXV	46,500	0.76	12.00	14.00					45,500	3.60	28,800	2.56	8.3

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COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)
Indoor Models

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 °F)			SEER				Heat (47 °F)		Heat (17 °F)		HSPF	
				BTU/hr	S / T	EER	factory	with field TDR	with field R-410A TXV	with field R-410A TXV+TDR	BTU/hr	COP	BTU/hr	COP		
N4H448AKB N4H448GKB (continued)	ED*4X48J**	*9MPV100	TDR&TXV	46,000	0.76	11.20	13.50					45,500	3.54	29,000	2.52	8.1
	ED*4X48J**	MV16J22****	TDR&TXV	47,500	0.76	12.00	14.50					46,000	3.72	29,000	2.62	8.5
	ED*4X48L**		TXV	46,500	0.76	11.20		13.50				46,500	3.56	29,600	2.52	8.2
	ED*4X48L**	*9MPV125	TDR&TXV	46,500	0.76	12.00	14.00					45,500	3.56	29,000	2.54	8.2
	ED*4X60J**		TXV	47,500	0.76	11.20		13.50				46,500	3.66	29,600	2.54	8.4
	ED*4X60J**	*8MPV100	TDR&TXV	48,000	0.76	12.00	14.50					46,000	3.72	29,000	2.60	8.5
	ED*4X60J**	*8MPV125	TDR&TXV	48,000	0.76	12.50	14.50					46,000	3.72	29,000	2.62	8.5
	ED*4X60J**	*9MPV100	TDR&TXV	47,500	0.76	12.00	14.00					46,000	3.66	29,200	2.58	8.4
	ED*4X60J**	MV16J22****	TDR&TXV	48,000	0.76	12.50	15.00					46,000	3.86	29,200	2.66	8.8
	ED*4X60L**		TXV	47,500	0.76	11.20		13.50				46,500	3.66	29,600	2.54	8.4
	ED*4X60L**	*9MPV125	TDR&TXV	47,500	0.76	12.00	14.50					46,000	3.66	29,000	2.58	8.4
	EMA4X48D**		TXV	45,500	0.76	11.20		13.50				45,500	3.40	29,000	2.46	7.9
	EHD4X48A**		TXV	47,000	0.76	11.20		13.50				46,500	3.60	29,600	2.54	8.3
	EHD4X48A**	*8MPV100	TDR&TXV	47,000	0.76	12.00	14.00					46,000	3.62	29,000	2.56	8.3
	EHD4X48A**	*8MPV125	TDR&TXV	47,000	0.76	12.00	14.50					45,500	3.62	28,800	2.58	8.3
	EHD4X48A**	*9MPV100	TDR&TXV	46,500	0.76	11.50	14.00					46,000	3.56	29,200	2.54	8.2
	EHD4X48A**	*9MPV125	TDR&TXV	46,500	0.76	12.00	14.00					45,500	3.58	29,000	2.54	8.2
	EHD4X48A**	MV16J22****	TDR&TXV	47,500	0.76	12.00	14.50					46,000	3.76	29,200	2.64	8.6
	EHD4X48A**	MV20N26****	TDR&TXV	47,500	0.76	12.00	14.50					46,000	3.76	29,000	2.64	8.6
	EHD4X60A**		TXV	48,000	0.76	11.50		14.00				46,500	3.66	29,800	2.56	8.4
	EHD4X60A**	*8MPV100	TDR&TXV	48,000	0.76	12.00	14.50					46,000	3.72	29,200	2.62	8.5
	EHD4X60A**	*8MPV125	TDR&TXV	48,000	0.76	12.50	14.50					46,000	3.74	29,000	2.62	8.5
	EHD4X60A**	*9MPV100	TDR&TXV	47,500	0.76	12.00	14.00					46,000	3.66	29,200	2.58	8.4
	EHD4X60A**	*9MPV125	TDR&TXV	47,500	0.76	12.00	14.50					46,000	3.68	29,200	2.60	8.4
	EHD4X60A**	MV16J22****	TDR&TXV	48,000	0.76	12.50	15.00					46,500	3.88	29,200	2.68	8.8
	EHD4X60A**	MV20N26****	TDR&TXV	48,000	0.76	12.50	15.00					46,500	3.90	29,200	2.70	8.8
	FS(M,U)4X48****		TDR&TXV	47,000	0.76	11.20	13.50					46,500	3.54	29,800	2.50	8.2
	FEM4X48****		TDR&TXV	48,000	0.76	12.50	14.50					46,000	3.70	29,000	2.62	8.5
FEM4X60****		TDR&TXV	48,000	0.76	12.50	15.00					46,000	3.90	29,000	2.68	8.8	
FVM4X48****		TDR&TXV	47,500	0.76	12.50	15.00					45,000	3.62	28,400	2.60	8.3	
FVM4X60****		TDR&TXV	48,000	0.76	13.00	15.00					45,500	3.76	28,400	2.66	8.6	
N4H460AKB	‡FS(M,U)4X60****		TDR&TXV	57,000	0.75	11.2	13.50					58,000	3.64	36,200	2.56	8.5
N4H460GKB	ED*4X60J**		TXV	56,500	0.75	11.20		13.50				57,500	3.64	35,800	2.58	8.5
	ED*4X60J**	*8MPV100	TDR&TXV	57,000	0.75	11.20	13.50					58,500	3.66	36,200	2.58	8.5
	ED*4X60J**	*8MPV125	TDR&TXV	57,000	0.75	11.20	13.50					58,000	3.68	35,800	2.60	8.6
	ED*4X60J**	*9MPV100	TDR&TXV	56,500	0.75	11.00	13.20					58,500	3.60	36,400	2.54	8.4
	ED*4X60J**	MV16J22****	TDR&TXV	57,500	0.75	11.50	14.00					58,000	3.78	35,800	2.66	8.7
	ED*4X60L**		TXV	56,500	0.75	11.20		13.50				57,500	3.64	35,800	2.58	8.5
	ED*4X60L**	*9MPV125	TDR&TXV	56,500	0.75	11.00	13.20					58,000	3.60	36,400	2.54	8.4
	EHD4X60A**		TXV	56,500	0.75	11.20		13.50				58,000	3.68	36,000	2.58	8.5
	EHD4X60A**	*8MPV100	TDR&TXV	57,000	0.75	11.20	13.50					58,500	3.70	36,400	2.60	8.6
	EHD4X60A**	*8MPV125	TDR&TXV	57,000	0.75	11.20	13.50					58,000	3.72	36,000	2.62	8.7
	EHD4X60A**	*9MPV100	TDR&TXV	56,500	0.75	11.00	13.20					58,500	3.64	36,600	2.56	8.5
	EHD4X60A**	*9MPV125	TDR&TXV	56,500	0.75	11.20	13.50					58,500	3.66	36,400	2.56	8.5
	EHD4X60A**	MV16J22****	TDR&TXV	57,500	0.75	11.50	14.00					58,000	3.84	35,800	2.68	8.9
	EHD4X60A**	MV20N26****	TDR&TXV	57,500	0.75	11.50	14.00					58,000	3.84	35,800	2.68	8.9
	FEM4X60****		TDR&TXV	57,500	0.75	11.70	14.50					57,000	3.82	35,200	2.70	8.8
	FVM4X60****		TDR&TXV	57,500	0.75	11.70	14.50					57,000	3.80	35,400	2.68	8.8

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	N	4	H	4	18	A	K	B	1	0	0
C = Comfortmaker Mainline											
N = Comfortmaker Entry BRANDING											
2 = R-22											
4 = R-410A REFRIGERANT											
A = Air Conditioner											
H = Heat Pump TYPE											
3 = 13 SEER											
4 = 14 SEER NOMINAL EFFICIENCY											
18 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons NOMINAL CAPACITY											
A = Standard Grille											
G = Coil Guard Grille											
C = Coastal FEATURES											
K = 208/230-1-60 VOLTAGE											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE									
Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11	
Example Part Number:	N	A	S	A	0	01	01	CH	
N = Non-Branded BRANDING									
A = Accessory PRODUCT GROUP									
S = Split System (AC & HP) KIT USAGE									
A = Original									
B = 2nd Generation MAJOR SERIES									
0 = Generic or Not Applicable									
2 = R-22									
4 = R-410A REFRIGERANT									
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									